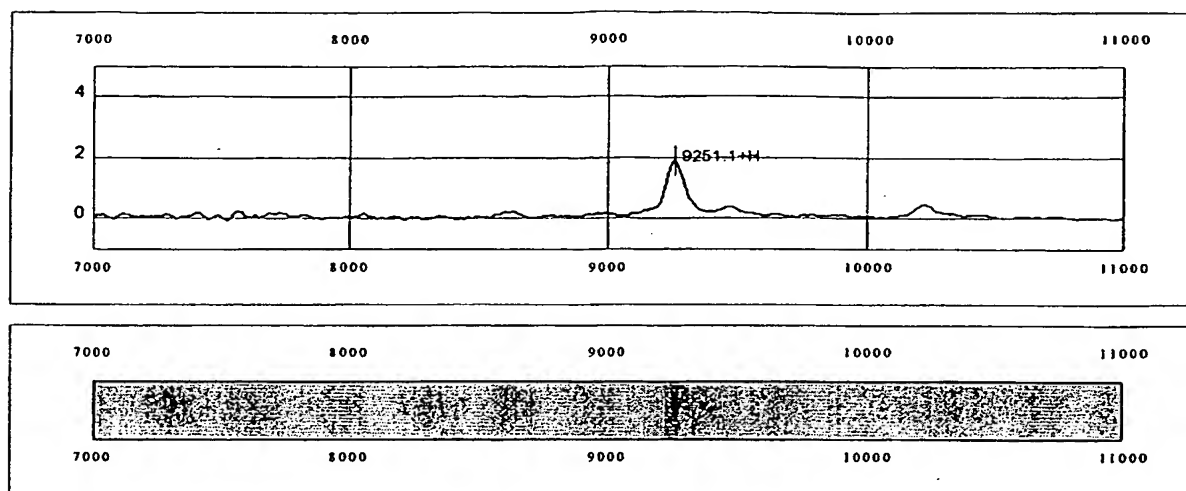
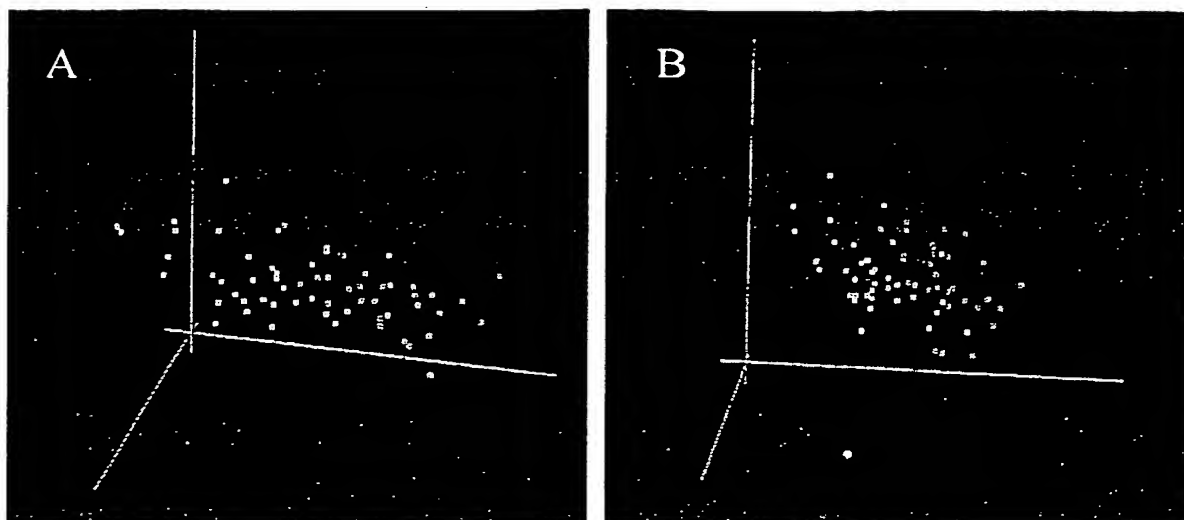


Figure 1. Representative analysis of plasma using SELDI.



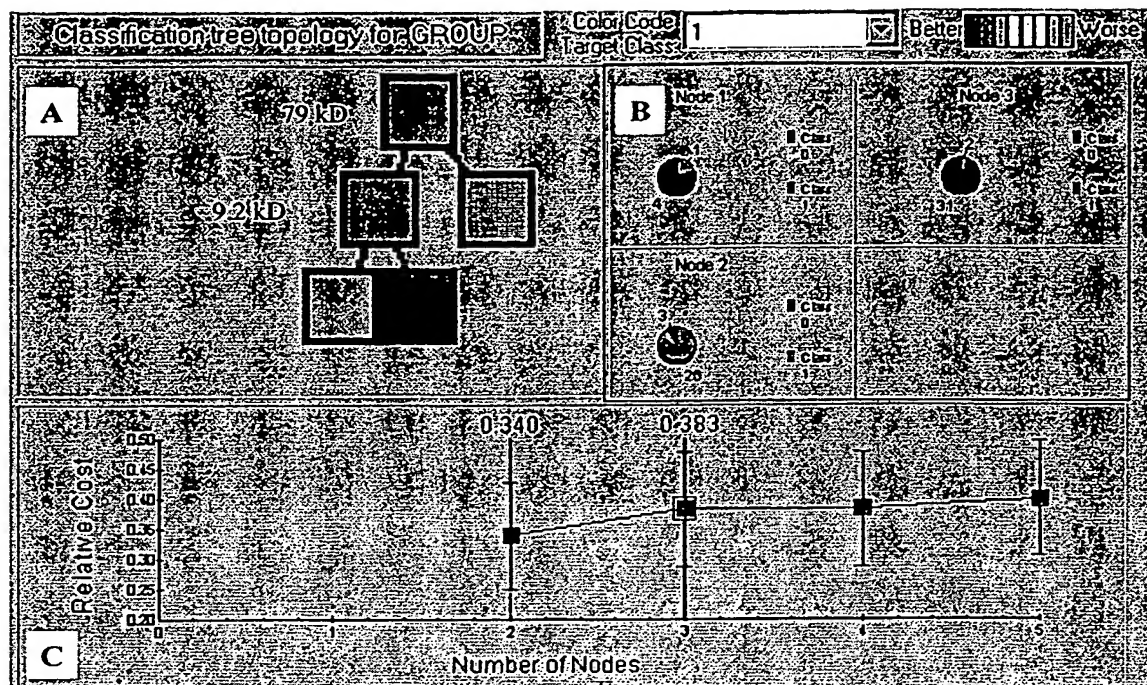
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Figure 2. ProPeak analysis of all samples.



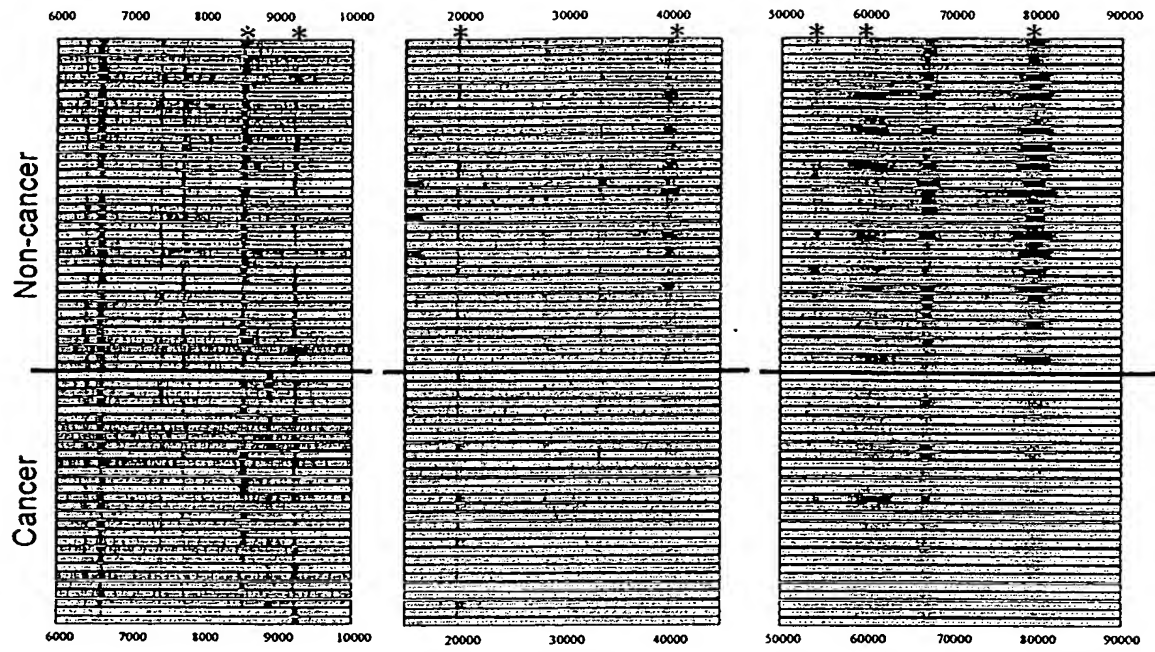
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Figure 3. Biomarker Patterns Software analysis of all samples.



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Figure 4. Pseudo-gel view of SELDI analysis.



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Figure 5. Schematic diagram of protein purification protocol.

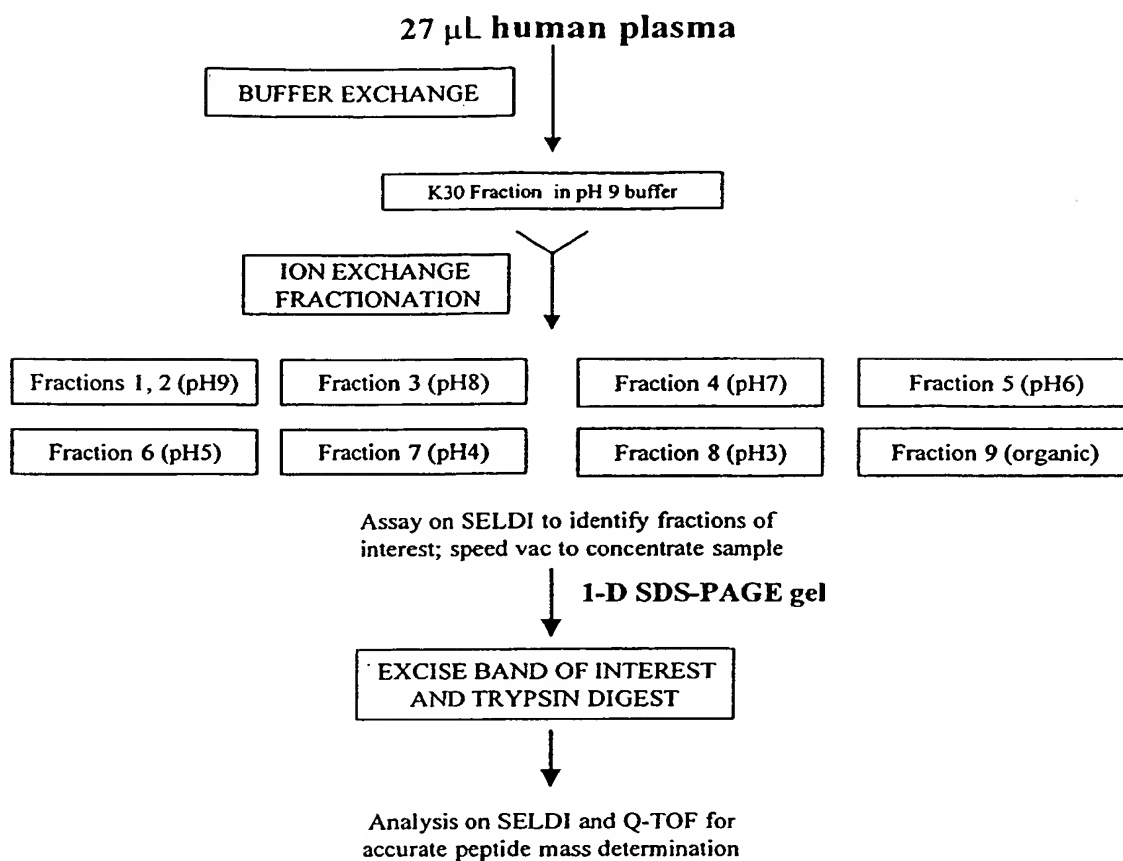


Figure 6. Protein identification: Molecular weights of peptide fragments were measure by mass spectrometry.

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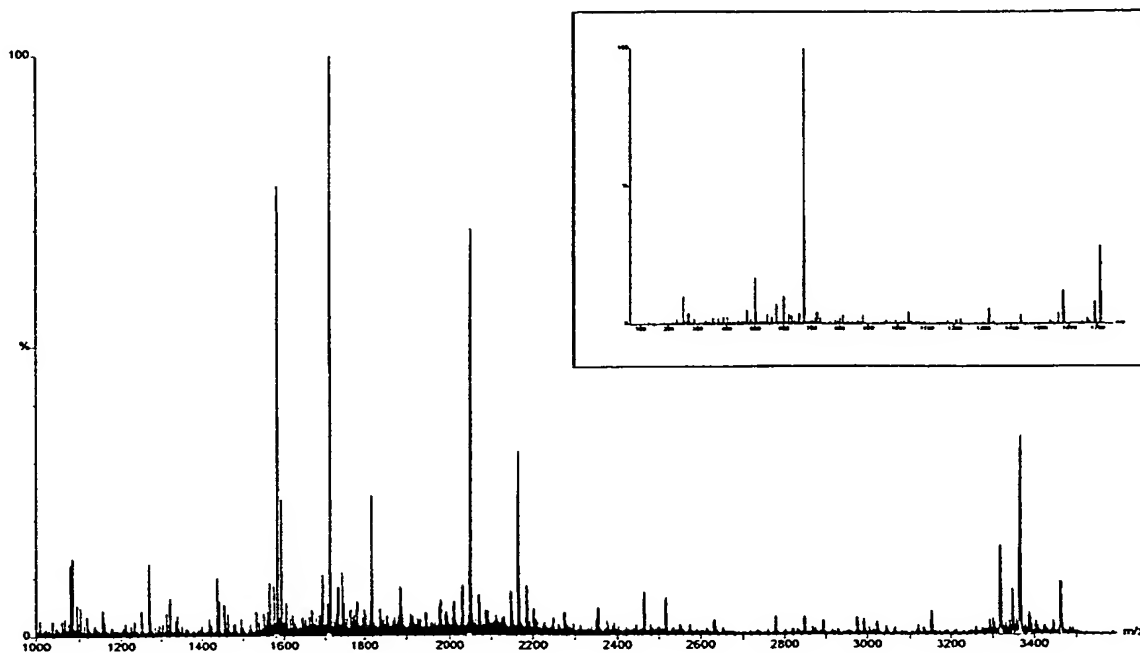


Figure 7. ROC analysis based on all 80 patients to compare diagnostic performance of four biomarkers.

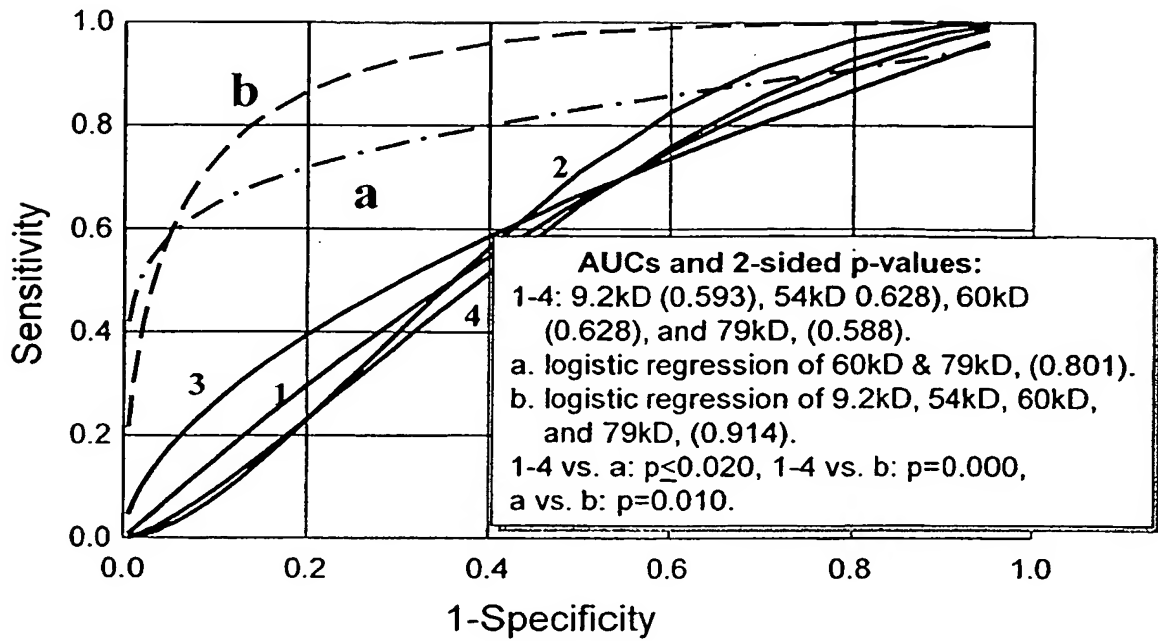
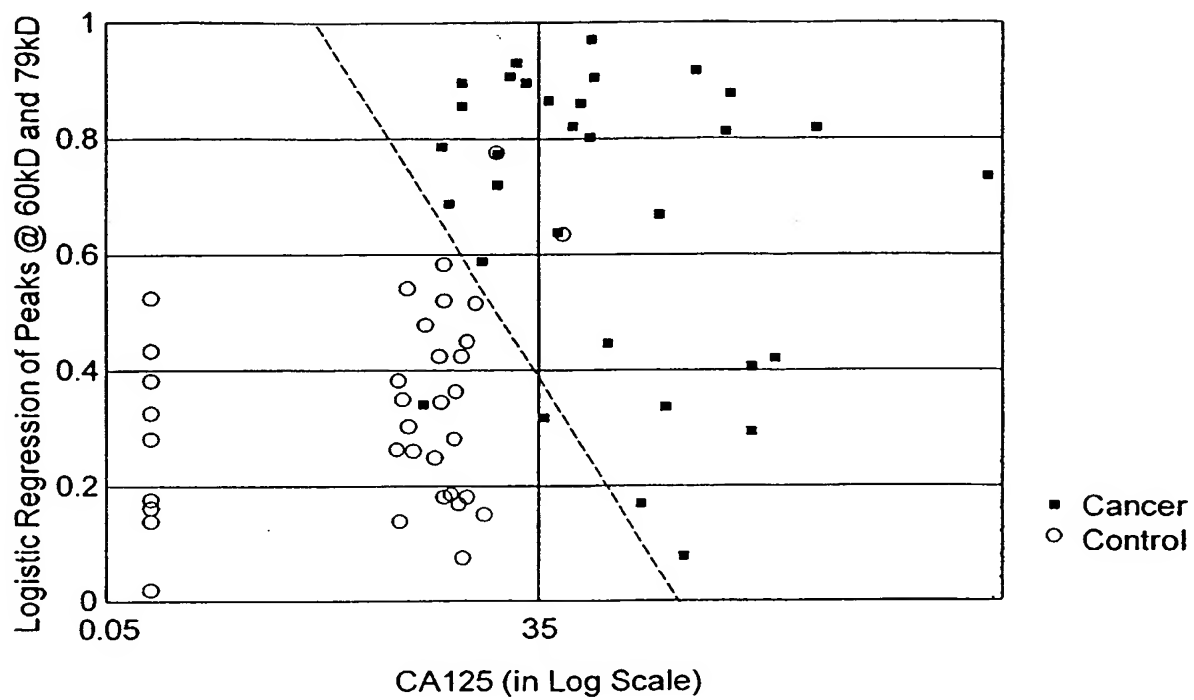
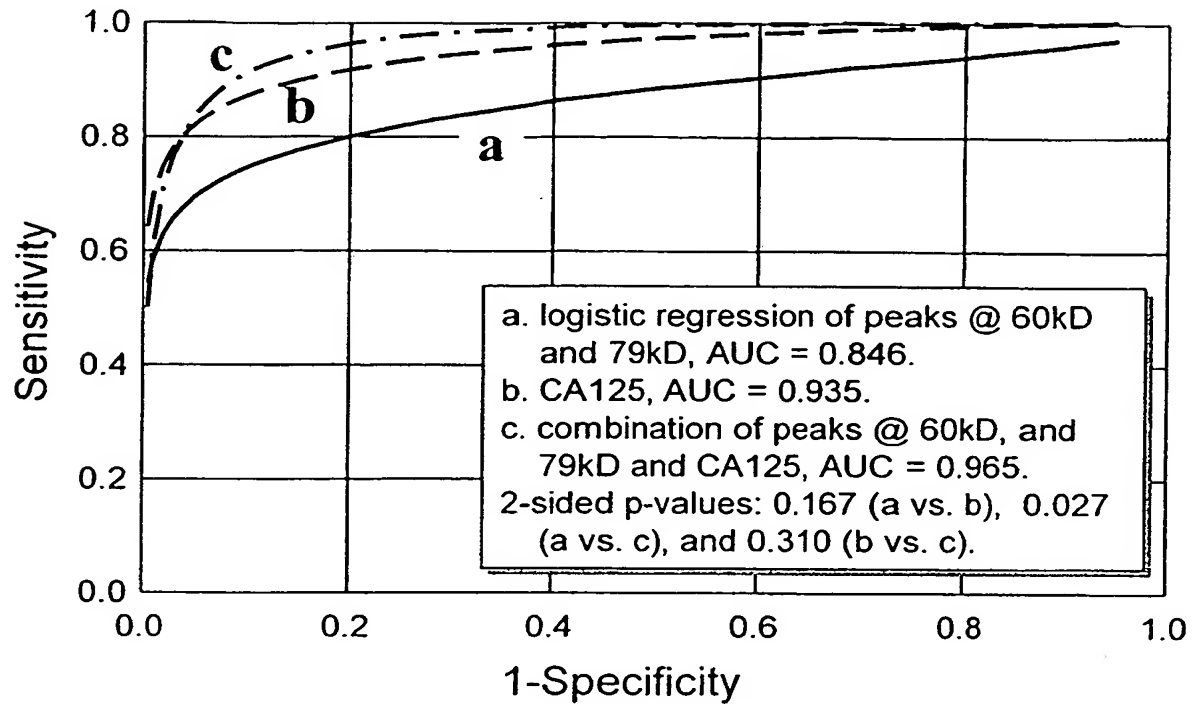


Figure 8. Scatter plot showing that combination of biomarkers 60kD and 79kD complements CA125.



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Figure 9. ROC analysis based on 68 patients with available CA125 values.



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Table 1. Sensitivity and specificity of various combinations of biomarkers.

Biomarkers Used	n	Sensitivity 95% CI	n	Specificity 95% CI
CA125 Cutoff = 35 U/mL	32	65.6% (49.2- 82.1)%	36	97.2% (91.9- 100.0)%
CA125 Cutoff = 18.5 U/mL	32	81.3% (67.7- 94.8)%	36	94.4% (87.0- 100.0)%
Logistic regression of 60kD & 79kD	42	59.5% (44.7- 74.4)%	38	94.7% (87.6- 100.0)%
Combination of 60kD, 79kD and CA125	32	93.8% (85.4- 100.0)%	36	94.4% (87.0- 100.0)%

Table 2. Sensitivities of various combinations of biomarkers calculated separately according to cancer stage.

Biomarkers Used	Sensitivity	
	Stages I/II	Stage III
CA125 Cutoff = 35 U/mL	44.4% (4/9)	73.9% (17/23)
CA125 Cutoff = 18.5 U/mL	88.9% (8/9)	91.3% (21/23)
Logistic regression of 60kD & 79kD	71.4% (10/14)	53.6% (15/28)
Combination of 60kD, 79kD and CA125	100.0% (9/9)	91.3% (21/23)

* Due to the small sample size, confidence intervals were not computed.

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